

**WHAT IS CLAIMED IS:**

1. An ink-jet printing module disposed in an ink-jet printing apparatus,  
comprising:

a guiding device extending from a first end to a second end thereof for  
5 supporting a print-head for moving therealong;

a first servicing device neighboring to the first end for servicing the  
print-head; and

a second servicing device neighboring to the second end for servicing  
the print-head;

10 wherein the first servicing device services the print-head when the  
print-head moves to the first end, and the second servicing device services  
the print-head when the print-head moves to the second end.

2. The ink-jet printing module according to claim 1, wherein the guiding  
device is a guiding bar.

15 3. The ink-jet printing module according to claim 1, wherein the first  
servicing device is a cleaning device for cleaning the print-head.

4. The ink-jet printing module according to claim 3, wherein the cleaning  
device comprises a wiper.

5. The ink-jet printing module according to claim 3, wherein the cleaning device comprises an ink-absorbing device.
6. The ink-jet printing module according to claim 1, wherein the second servicing device is a covering device for covering the print-head.
- 5 7. The ink-jet printing module according to claim 6, wherein the covering device comprises a cap.
8. The ink-jet printing module according to claim 1, further comprising a printing platform between the first servicing device and the second servicing device.
- 10 9. The ink-jet printing module according to claim 1, wherein the first servicing device is disposed at a bottom of the ink-jet printing module.
10. The ink-jet printing module according to claim 1, wherein the second servicing device is disposed at a bottom of the ink-jet printing module.
11. A method for servicing a print-head of an ink-jet printing module,  
15 wherein the ink-jet printing module has a guiding device extending from a first end to a second end thereof for supporting the print-head, the method comprising steps of:  
  
servicing the print-head when the print-head moves to the first end; and  
  
servicing the print-head when the print-head moves to the second end.

12. The servicing method according to claim 11, wherein the step of servicing at the first end is cleaning the print-head.
13. The servicing method according to claim 11, wherein the step of servicing at the second end is covering the print-head.
- 5 14. The servicing method according to claim 11, the method further comprising one step of moving the print head to the first end before the step of servicing at the first end.
15. The servicing method according to claim 11, the method further comprising one step of moving the print-head to the second end before  
10 the step of servicing at the second end.
16. The servicing method according to claim 11, the method further comprising one step of printing by moving the print-head backward and forward along the guiding device.
17. The servicing method according to claim 16, wherein the step of  
15 servicing at the first end is performed both before and after the step of printing.
18. An ink-jet printing apparatus, comprising:  
  
a print-head moving forwards and backwards in a printing direction;  
  
a first servicing device for servicing the print-head when the print-head

moves forwards; and

a second servicing device being spaced from the first servicing device,  
for servicing the print-head when the print-head moves backwards.

19. The ink-jet printing apparatus according to claim 18, wherein the first  
5 servicing device is a cleaning device for cleaning the print-head.
20. The ink-jet printing apparatus according to claim 18, wherein the  
second servicing device is a covering device for covering the  
print-head.
21. The ink-jet printing apparatus according to claim 18, wherein the  
10 printing direction has a first end and a second end opposite to the first  
end, the first servicing device is disposed neighboring to the first end  
and the second servicing device is disposed neighboring to the second  
end.

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